

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/26 G11B7/24 B05C11/08 G03F7/16
B05D1/00

H01L21/00

10/541977

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B B05C G03F H01L B05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|--|-----------------------|
| X | US 6 242 044 B1 (EBERT ANDREAS) 5 June 2001 (2001-06-05) | 1,2,4, 11,13 |
| Y | column 2, line 25 - column 3, line 50; figure 1 | 5,14 |
| A | column 4, line 52 - column 9, line 32; figures 3-5 | 3,12 |
| Y | PATENT ABSTRACTS OF JAPAN vol. 014, no. 020 (C-676), 17 January 1990 (1990-01-17) & JP 01 262968 A (DAICEL CHEM IND LTD), 19 October 1989 (1989-10-19) abstract | 5,14 |
| ----- -/-- | | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 February 2004

Date of mailing of the international search report

14.05.04

Name and mailing address of the ISA

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Stemmer, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | PATENT ABSTRACTS OF JAPAN vol. 009, no. 113 (P-356), 17 May 1985 (1985-05-17) & JP 59 232339 A (TOSHIBA KK), 27 December 1984 (1984-12-27) abstract ----- | 1 |
| A | PATENT ABSTRACTS OF JAPAN vol. 013, no. 328 (C-621), 24 July 1989 (1989-07-24) & JP 01 107867 A (NIPPON COLUMBIA CO LTD), 25 April 1989 (1989-04-25) abstract ----- | 1 |
| A | US 5 580 607 A (TAKEKUMA TAKASHI ET AL) 3 December 1996 (1996-12-03) column 1, line 59 - column 2, line 43 column 3, line 29 - column 11, line 34 ----- | 1 |
| A | US 6 042 712 A (MATHIEU GAETAN L) 28 March 2000 (2000-03-28) column 3, line 57 - column 5, line 3 ----- | 1 |
| A | US 2002/124797 A1 (MORIKAWA MASATERU ET AL) 12 September 2002 (2002-09-12) paragraphs [0009] - [0018] ----- | 1 |

INTERNATIONAL SEARCH REPORT

Int'l application No.
T/IB 03/05010

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-15, 11-14

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,11-14

heating means

2. claims: 6, 7,15

shielded UV exposure

3. claims: 8-10

oxygen inhibition

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PC1.8 03/05010

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|----------------------------|
| US 6242044 | B1 | 05-06-2001 | US 5916368 A 29-06-1999 |
| | | | EP 0963257 A1 15-12-1999 |
| | | | TW 523428 B 11-03-2003 |
| | | | WO 9837979 A1 03-09-1998 |
| | | | US 6110280 A 29-08-2000 |
| JP 01262968 | A | 19-10-1989 | NONE |
| JP 59232339 | A | 27-12-1984 | NONE |
| JP 01107867 | A | 25-04-1989 | JP 2516573 B2 24-07-1996 |
| US 5580607 | A | 03-12-1996 | JP 5036597 A 12-02-1993 |
| | | | JP 2986300 B2 06-12-1999 |
| | | | JP 6224113 A 12-08-1994 |
| | | | KR 175071 B1 01-04-1999 |
| US 6042712 | A | 28-03-2000 | US 6336269 B1 08-01-2002 |
| | | | AU 4159896 A 06-06-1996 |
| | | | AU 4159996 A 17-06-1996 |
| | | | AU 4160096 A 06-06-1996 |
| | | | AU 4237696 A 06-06-1996 |
| | | | AU 4283996 A 19-06-1996 |
| | | | AU 5939796 A 11-12-1996 |
| | | | AU 5964096 A 11-12-1996 |
| | | | AU 5964196 A 11-12-1996 |
| | | | AU 5965796 A 22-05-1997 |
| | | | AU 6028796 A 11-12-1996 |
| | | | AU 6377796 A 11-12-1996 |
| | | | AU 6635296 A 18-12-1996 |
| | | | CN 1171167 A ,B 21-01-1998 |
| | | | CN 1208368 A 17-02-1999 |
| | | | CN 1191500 A 26-08-1998 |
| | | | DE 69530103 D1 30-04-2003 |
| | | | DE 69530103 T2 11-12-2003 |
| | | | DE 69531996 D1 27-11-2003 |
| | | | DE 69623294 D1 02-10-2002 |
| | | | DE 69623294 T2 17-04-2003 |
| | | | EP 1198001 A2 17-04-2002 |
| | | | EP 1232828 A1 21-08-2002 |
| | | | EP 1262782 A2 04-12-2002 |
| | | | EP 1408338 A2 14-04-2004 |
| | | | EP 1408337 A2 14-04-2004 |
| | | | EP 0795200 A1 17-09-1997 |
| | | | EP 0792519 A1 03-09-1997 |
| | | | EP 0792462 A1 03-09-1997 |
| | | | EP 0792463 A1 03-09-1997 |
| | | | EP 0792517 A1 03-09-1997 |
| | | | EP 0837750 A1 29-04-1998 |
| | | | EP 0828582 A1 18-03-1998 |
| | | | EP 0859686 A1 26-08-1998 |
| | | | EP 0886894 A2 30-12-1998 |
| | | | JP 2000067953 A 03-03-2000 |
| | | | JP 3157134 B2 16-04-2001 |
| | | | JP 11126800 A 11-05-1999 |
| | | | JP 2968051 B2 25-10-1999 |
| | | | JP 10510107 T 29-09-1998 |
| | | | JP 2892505 B2 17-05-1999 |

INTERNATIONAL SEARCH REPORT

on patent family members

International Application No

PCT/JP03/05010

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 6042712 | A | JP 9508241 T | 19-08-1997 |
| | | JP 10506197 T | 16-06-1998 |
| | | JP 3386077 B2 | 10-03-2003 |
| | | JP 9512139 T | 02-12-1997 |
| | | JP 3387930 B2 | 17-03-2003 |
| | | JP 2002509639 T | 26-03-2002 |
| | | JP 11514493 T | 07-12-1999 |
| | | JP 3114999 B2 | 04-12-2000 |
| | | JP 11508407 T | 21-07-1999 |
| ----- | | | |
| US 2002124797 | A1 | JP 2001232270 A | 28-08-2001 |
| | | TW 499697 B | 21-08-2002 |
| ----- | | | |